PATENT COOPERATION TREATY

TRANSLATION From the INTERNATIONAL SEARCHING AUTHORITY To: WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1) See form PCT/ISA/210 Date of mailing (day/month/year) Applicant's or agent's file reference FOR FURTHER ACTION R. 306941 Hr/Kli See paragraph 2 below Priority date (day/month/year) International application No. International filing date (day/month/year) 18.11.2004 18.11.2003 PCT/DE2004/002543 International Patent Classification (IPC) or both national classification and IPC F04B23/06, F04B1/053, B60T8/40, B60T8/36 Applicant ROBERT BOSCH GMBH This opinion contains indications relating to the following items: Box No. I Basis of the opinion Box No. II Priority Non-establishment of opinion with regard to novelty, inventive step and industrial applicability Box No. III Box No. IV Lack of unity of invention Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial Box No. V applicability; citations and explanations supporting such statement Box No. VI Certain documents cited Box No. VII Certain defects in the international application Box No. VIII Certain observations on the international application 2. **FURTHER ACTION** If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered. If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220. For further details, see notes to Form PCT/ISA/220. Name and mailing address of the ISA/EP Authorized officer Facsimile No. Telephone No.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/DE2004/002543

Box	No. I Basis of this opinion
1.	With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
	This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under
	Rule 12.3 and 23.1(b)).
2.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
	a. type of material
	a sequence listing
	table(s) related to the sequence listing
	b. format of material
	in written format
	in computer readable form
	c. time of filing/furnishing
	contained in the international application as filed.
	filed together with the international application in computer readable form.
	furnished subsequently to this Authority for the purposes of search.
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4.	Additional comments:
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Box No. V		Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1.	Statement					
	Novelty (N)		Claims	1-10	YES	
			Claims		NO	
	Inventive step (IS)		Claims	1-10	YES	
			Claims		NO	
	Industria	l applicability (IA)	Claims	1-10	YES	
			Claims			
2.	Citations and explanations:					
	1			ade to the following documents:		
				493 A (KOBARI ET AL) 1 December 1992		
	(1992-12-01)					
	2 D1 is considered the closest prior art. It					
	discloses a multiplunger pump as per the preamble					
	of claim 1 (cf. figures 9, 10). D1 additionally					
		discloses the following parts of the				
	characterizing part of claim 1, that is to say an					
		eccentric unit which has two eccentrics which are				
		spaced apart axially, and the plunger pumps being				
		arranged in a number of section planes of the pump				
	housing, said number corresponding to the number					
	of eccentrics, wherein the axial spacing of the					
	eccentrics substantially corresponds to the axial					
		spacing of	f sai	d section planes.		
	2.1	The subject	ct ma	tter of claim 1 differs from this in		
		that the	conne	cting ducts (32, 33, 36, 37) of the		
		pump units	s (30	a, b) are arranged in a region,		
		which is	delim	ited by said section planes (E1,		
		E2), of the	ne pu	mp housing (10). The subject matter		
		of claim	lis	therefore novel (PCT Article 33(2)).		

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citations and explanations supporting such statement

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2.2 The problem addressed by the present invention can therefore be considered that of producing a multiplunger pump which requires a relatively

Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability;

small installation volume (see application page 2,

paragraph 3).

Box No. V

2.3 The solution specified in paragraph 2.1 is not known from the previously searched prior art. A combination of D1 with another document from the prior art would also not be obvious to a person skilled in the art. Claim 1 accordingly involves an inventive step (PCT Article 33(3)).

2.4 Claims 2-10 are dependent on claim 1 and therefore likewise meet the PCT requirements for novelty and inventive step.

2.5 The invention is industrially applicable in the field of pumps (PCT Article 33(4)).